PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applic	ant's	or age	ent's file reference	FOR FURTHER ASSESSMENT	. See Notifica	tion of Transmittal of International	
100851-1 WO)	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No. PCT/SE 03/02088				International filing date (day/m 29.12.2003	onth/year)	Priority date (day/month/year) 07.01.2003	
Interna C07I			ent Classification (IPC) or b	oth national classification and IPo			
Applio ASTI		ENE	CA AB et al.				
1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.						
			, · · · ·			<u>,</u>	
2.	This	REP	ORT consists of a total	of 5 sheets, including this cov	er sheet.		
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
	Thes	se ani	nexes consist of a total of	of sheets.			
			1				
İ			• •				
3.	This	repoi	t contains indications re	elating to the following items:			
	1	\boxtimes	Basis of the opinion				
	H		Priority				
	Ш	\boxtimes	Non-establishment of	opinion with regard to novelty	inventive step	and industrial applicability	
	IV		Lack of unity of inventi			•	
	V	Ø	Reasoned statement u	under Rule 66.2(a)(ii) with regions supporting such stateme	ard to novelty,	inventive step or industrial applicability;	
	VI		Certain documents cite			•	
	VII		Certain defects in the i	international application			
	VIII		Certain observations of	on the international application			
			,				
Date o	f sub	missio	n of the demand 👯	Date	of completion of	this report	
			•				
23.07.2004				14.0	14.03.2005		
Name and mailing address of the international preliminary examining authority:					itabes Principles		
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INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No.

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l. Basis	of the	report
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	I. E	Basis of the report				
	1. \ t	Vith regard to the ele he receiving Office in and are not annexed t	ments of the international application (Replacement sheets which have been furnished to response to an invitation under Article 14 are referred to in this report as "originally filed" to this report since they do not contain amendments (Rules 70.16 and 70.17)):			
	[escription, Pages				
	1	-81	as originally filed			
	Claims, Numbers					
	1	-19	as originally filed			
2	2. V la	/ith regard to the land Inguage in which the	guage, all the elements marked above were available or furnished to this Authority in the international application was filed, unless otherwise indicated under this item.			
· •			available or furnished to this Authority in the following language: , which is:			
÷		the language of a	translation furnished for the purposes of the international search (under Rule 23.1(b)).			
		the language of pu	ublication of the international application (under Rule 48.3(b)).			
		the language of a f Rule 55.2 and/or 5	translation furnished for the purposes of international multi-			
; 3 ;	3. W in	ith regard to any nuc ternational preliminar	leotide and/or amino acid sequence disclosed in the international application, the yexamination was carried out on the basis of the sequence listing:			
		contained in the in	ternational application in written form.			
			the international application in computer readable form.			
		furnished subsequ	ently to this Authority in written form.			
			ently to this Authority in computer readable form.			
, ()		The statement that	the subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.			
ĭ	, 'U		the information recorded in computer readable form is identical to the			
4.	. Th	e amendments have	resulted in the cancellation of:			
		the description,	pages:			
		the claims,	Nos.:			
	Ö	the drawings,	sheets:			
5.		This report has bee been considered to	n established as if (some of) the amendments had not been made, since they have go beyond the disclosure as filed (Rule 70.2(c)).			
		(Any replacement s report.)	heet containing such amendments must be referred to under item 1 and annexed to this			

6. Additional observations, if necessary:

report.)

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111.	Nor	n-establishment of opinion w	ith reg	ard to nov	elty, inventive step and industrial applic	cability	
1.	The obv	questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- ious), or to be industrially applicable have not been examined in respect of:					
		the entire international applica	tion,				
		claims Nos. 16					
		because:					
		the said international application does not require an internation	ims Nos. 16 relate to the following subject amination (specify):	matter which			
	,	see separate sheet			•		
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are that no meaningful opinion could be formed (specify):						
		the claims, or said claims Nos. could be formed.	. are so	o inadequa	tely supported by the description that no m	eaningful opinion	
		no international search report	has be	en establis	hed for the said claims Nos.		
2.	or a	eaningful international prelimin mino acid sequence listing to c ructions:	ary exa	amination o	cannot be carried out due to the failure of the andard provided for in Annex C of the Adm	ne nucleotide and/ inistrative	
		the written form has not been furnished or does not comply with the Standard.					
		the computer readable form has not been furnished or does not comply with the Standard.					
٧.	Rea cita	soned statement under Artic tions and explanations supp	le 35(2 orting	2) with reg such state	ard to novelty, inventive step or industrement	ial applicability;	
1.	Statement						
Nov		elty (N)	Yes: No:	Claims Claims	2-19 (with proviso)		

1-19

1-15,17-19

No:

No:

Yes: Claims

Yes: Claims

Claims

Claims

2. Citations and explanations

Industrial applicability (IA)

see separate sheet

Inventive step (IS)

POINT III.

For the assessment of the presently worded claim 16, on the question whether it is industrially applicable, no unified criteria exist in the PCT.

The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognise as industrially applicable claims to the use of a compound in medical treatment, but will allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a new medical treatment.

POINT V.

The following documents, quoted in the I.S.R., have been considered as relevant for the examination of the present application . Their numbering will be adhered to for the rest of the procedure.

- Chemistry and physics of lipids, vol. 121, 2002, pages 3 19. (1)
- Chemistry and physics of lipids, vol. 121, 2002, pages 191 200.

1. Novelty.

In view of the fact that both documents relate to CB₁/CB2 receptors which fall mainly within the scope of present claim 1, said claim and any dependent claim which is based upon present claim 1 lack novelty.

Indeed, the compounds identified in (1) and (2) as SR-141716A, SR-144528, AM-251 and AM281 (see their formulas as on page 11 of (1)) all fall whithin the scope of at least present claim 1 in that they possess particular definitions belonging to the open ended scope of present claim 1 which should be restricted so as to enable a clear and unambiguous acknowledgment of the novelty towards the contents of those 2 documents, bearing the following in mind.

Provided claim 1 would be rendered novel in the regional proceedings to come, all the claims depending on claim 1 could also be regarded as novel (see also the lack of clarity point 3.2 of present communication)

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2. Inventiveness.

In view of the fact that both (1) and (2) already disclose solutions to the problem of providing CB1/CB2 receptors, both documents constitute the most relevant prior art in the state of the file, which (reminder) has not been fully searched.

Insofar as those documents already provided solutions to the above named problem, solutions which belong to presently claimed matter in its broadest sense, the Applicant is invited to show either by argumentation or technical evidence, that the still novel compounds on file possess any advantage or surprising feature when they are compared with those of (1) and (2) in order to enable the acknowledgment of the inventiveness of the application with respect to the content of the most relevant prior art.

Moreover, he is invited to restrict the claimed matter to preferred embodiments which would enable the acknowledgment of the inventiveness and a possible additional exhaustive search of the full extension of protection desired.

Such an additional search will be then be performed in the (regional) future.

3. Formal Points.

- 3.1 Documents (1) and (2) should be mentioned and briefly discussed in the description.
- 3.2 Claim 1 is unclear in scope in that it seems that the 2 aryl (Ar²) and arylene (Ar¹) radicals have to be separated by at least one atom, which is not the case in all the examples. As transpires from the above novelty objections, the IPEA assumed that no atoms are linking the 2 Ar radicals.

 The Applicant is invited to reformulate the claims so as to enable a clear interpretation of the desired scope of protection:

.1.3